DECLARATION AND POWER OF ATTORNEY

I the undersigned inventor(s), hereby declare(s) that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am the original, first, and joint (sole) inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

LOW-TEMPERATURE HYDROGEN PRODUCTION FROM OXYGENATED HYDROCARBONS

the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendments referred to above.

I acknowledge the duty to disclose information material to the examination of this application as defined in Section 1.56 of Title 37 Code of Federal Regulations.

And I hereby appoint:

| Charles S. Sara | 30,492 |
|-------------------|--------|
| Joseph T. Leone | 37,170 |
| Craig A. Fieschko | 39,668 |
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I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| FULL NAME OF JOINT OR FIRST INVENTOR Randy D. Cortright |
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CERTIFICATE UNDER 37 C.F.R. 3.73(b)

Applicant: CORTRIGHT et al.

| Application : | No.: 09/998,552 |
|--|---|
| Filed: | November 29, 2001 |
| Entitled: | LOW-TEMPERATURE HYDROGEN PRODUCTION FROM OXGENATED HYDROCARBONS |
| | Alumni Research Foundation , a Non-stock, non-profit corporation (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.) |
| identified ab- | it is the assignee of the entire right, title and interest in the patent application ove by virtue of an assignment from the inventors of the patent application ove. The assignment was recorded in the Patent and Trademark Office at Reel me 0822. |
| identified abo | gned has reviewed all the documents in the chain of title of the patent application ove and, to the best of the undersigned's knowledge and belief, title is in the ntified above. |
| The undersig | gned is empowered to sign this certificate on behalf of the assignee. |
| statements m statements ar punishable by Code, and th | lare that all statements made herein of my own knowledge are true, and that all hade on information and belief are believed to be true; and further, that these are made with the knowledge that willful false statements, and the like so made, are y fine or imprisonment, or both, under Section 1001, Title 18 of the United States hat such willful false statements may jeopardize the validity of the application or suing thereon. Signature Joseph T. Leone, Reg. No. 37,170 Typed or Printed Name Attorney of Record Title |
| | TABA |